MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

OCTOBER, 1927

J. A. BROWN, DIRECTOR

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OCTOBER 1927

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude				Thermometer Cent.			Bright Sunshine	Rain
	8:30	2:30	8:30	Mean	Max.	Min.	Min on grass	hrs.	m.m.
1	760.4	759.4	759.8	759.9	30.0	22.9		11.0	
2	759.9	9.0	9.7	9.5	29.6	22.7		10.8	
3	9.2	8.7	9.5	9.8	29.4	22.3		9.3	
4	9.2	8.6	8.8	8.9	29.6	22.8		8.3	
5	7.9	7.1	7.4	7.5	29.2	20.1		6.0	47.74
6	757.8	757.9	759.1	758.7	27.8	18.8		6.5	34.53
7	761.1	760.5	761.2	760.9	26.7	18.7		9.5	
8	1.8	1.4	2.4	1.9	27.7	18.8		10.8	
9	2.7	1.7	2.3	2.2	29.3	18.8		10.3	
10	0.7	0.2	0.9	0.6	27.8	21.5		8.0	
11	761.4	760.9	761.9	761.4	26.9	21.5		9.0	
12	2.3	2.1	1.8	2.1	26.9	20.5		5.8	2.29
13	1.4	1.7	0.9	1.3	26.8	21.2		4.5	1.52
14	2.2	1.3	1.8	1.8	26.7	21.0		1.5	2.79
15	3.1	1.8	2.8	2.6	25.6	21.2		7.3	0.51
16	764.7	764.4	764.6	764.6	27.7	20.1		8.3	
17	4.6	3.3	2.8	3.6	26.8	20.0		10.5	
18	3.1	1.6	2.8	2.5	27.5	21.2		6.7	
19	4.1	2.7	3.6	3.5	27.3	21.4		9.5	
20	4.0	2.9	2.3	3.1	27.8	22.0		10.0	
21	763.1	761.4	761.2	761.9	27.8	22.9		8.5	
22	1.2	0.4	1.1	0.9	27.8	24.4		9.8	
23	2.3	1.8	1.6	1.9	27.8	22.2		9.5	
24	4.6	4.0	2.1	3.6	27.7	21.7		9.1	
25	4.4	3.0	3.2	3.5	26.7	21.4		9.5	
26	764.1	763.2	761.0	762.8	27.2	21.0		9.7	
27	3.2	1.5	1.2	2.0	26.4	21.2		6.0	
28	1.4	0.0	1.1	0.8	27.3	22.2		9.0	
29	1.0	759.7	759.3	0.0	27.8	21.0		8.0	
30	759.3	8.0	7.8	758.4	27.0	21.1		8.3	
31	9.2	8.2	9.4	8.9	28.1	17.1		0.0	60.69
	761.79	760.93	761.14	761.32	27.7	21.1			149.87

BAROMETER

Maximum 164.7 on 16th

Minimum 157.8 on 6th and 30th

THERMOMETER

Maximum 30.0 on 1st

Minimum 17.1 on 31st,

RAINFALL

Maximum 60.69 on 31st

Number of days with rain 7, thunderstorms 2, gales 0, fog 5.

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METEOROLOGICAL REGISTER

Date	Dry Bulb Cent. (Corrected)				Wet Bulb Cent. (Corrected)			Elasticity of Vapor m.m.				Relative Moisture per cent.			
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Mean
1	27.3	28.9	24.4	26.9	22.9	24.3	22.7	16.6	16.3	19.0	17.3	63	67	83	70
2	26.8	28.9	24.5	26.7	23.1	24.8	21.8	18.0	19.7	17.4	18.4	68	66	76	70
3	26.7	28.7	25.1	26.8	22.9	22.9	21.1	17.4	16.4	15.7	16.5	65	56	66	62
4	27.4	28.8	25.0	27.1	21.3	27.1	20.3	14.6	16.6	14.4	15.2	53	57	61	57
5	24.2	26.8	20.0	23.8	21.4	21.0	18.4	16.8	14.6	14.5	15.3	75	55	80	70
6	23.3	24.7	22.5	23.5	20.8	20.9	20.0	16.3	15.6	15.5	15.8	76	67	77	73
7	25.7	26.2	24.7	25.5	20.1	21.1	21.6	13.7	15.0	16.8	15.2	56	58	73	62
8	26.8	28.9	24.3	26.7	21.3	22.7	21.4	15.0	15.9	16.8	15.6	56	53	75	61
9	26.3	27.3	21.8	25.7	19.6	22.3	20.1	13.0	15.4	16.1	14.8	53	61	83	66
10	25.2	26.6	22.3	24.7	20.7	21.1	18.8	14.9	14.8	13.7	14.5	63	57	69	63
11	25.7	26.7	22.3	24.9	20.7	20.9	19.3	14.7	14.4	14.5	14.5	60	55	72	62
12	25.1	26.2	22.1	24.5	20.6	20.8	20.4	14.9	14.4	16.6	15.3	63	56	84	68
13	25.1	22.4	23.9	23.8	20.1	21.1	18.4	14.0	18.1	12.3	14.8	57	91	56	67
14	21.2	24.9	23.2	23.1	18.9	20.9	20.3	14.6	15.6	15.6	15.3	77	67	74	73
15	25.3	26.2	21.7	24.4	21.1	21.7	17.8	16.3	16.0	12.6	15.0	69	62	65	65
16	25.0	25.3	23.8	24.7	20.6	20.4	19.4	14.9	14.5	13.8	14.4	63	60	63	62
17	24.6	25.4	24.5	24.8	20.8	20.4	20.6	15.1	14.5	15.2	14.7	64	60	67	64
18	26.1	26.9	23.1	25.4	21.4	20.8	20.6	15.6	14.2	16.2	15.3	61	54	77	63
19	25.6	26.9	24.9	25.8	22.0	21.7	20.6	16.9	15.4	14.9	15.7	69	58	64	64
20	25.6	27.0	25.1	25.9	22.0	22.8	23.2	16.9	17.4	19.6	18.0	69	65	83	72
21	26 7	27.5	27.2	27.1	22.1	23.0	23.7	17.2	17.4	16.2	16.9	66	64	60	63
22	27.4	29.2	25.1	27.2	23.6	22.2	18.0	18.4	15.8	11.2	15.1	68	53	48	56
23	26.2	29.1	27.4	25.6	22.8	23.3	21.8	18.3	18.2	18.1	18.2	71	69	84	75
24	25.2	26.1	22.8	24.7	22.4	22.4	21.0	17.9	17.1	17.3	17.4	74	67	84	75
25	26.1	26.7	22.3	25.0	19.6	20.1	18.3	12.7	13.1	13.1	13.0	51	50	65	55
26	25.6	25.6	23.9	25.0	21.0	20.6	20.6	15.3	14.6	15.6	15.2	63	59	70	64
27	25.0	26.4	24.2	25.2	21.1	21.7	22.2	15.8	15.7	18.4	16.6	67	61	81	70
28	26.7	27.2	26.1	26 7	25.6	24.0	22.2	23.2	19.5	17.0	19.9	89	73	67	76
29	24.5	26.1	22.5	24.4	22.8	22.8	21.0	19.2	18.1	17.4	18.2	83	71	86	80
30	25.6	26.7	24.9	25.7	20.6	21.7	23.3	14.5	14.7	20.9	16.7	59	56	95	70
31	27.1	25.1	27.4	23.9	19.5	20.8	20.3	15.5	15.2	15.5	15.4	74	64	72	70
	25.52	26.48	23.80	25.15	21.40	21.9	20.57	16.40	15.94	15.87	16.01	66.0	61.54	72.58	66.78

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1·70 m

Height of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m

Gravity Correction — 0.79mm.

Time of readings according to Standard Time of 30th E. Meridian.

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	2:30	8:30	Mean	8:30	2:30	8:30	Km.		
1	0	2str.cu	0	0.7	0	2w	0	82.7	calm	haze in mor.
2	0	0	0	0.0	0	1w	0	80.7	mod.	gen. br. ,,
3	0	2str.cu	7ni	3.0	0	3w	2w	128.7	v. slight	
4	1	8str.ni	9ni	6.0	1n	1w	0	156.7	light	sol.cor.even.
5	7ni	4	9ni	6.7	1s	2w	0	225.3	mod.	t l r dr night
6	4str.cu	8ni	4str.cu	5.3	0	2w	0	213.7	v. slight	
7	2str	7ci cu	6alt.cu	5.0	0	1ne	0	171.0	light	
8	0	1	0	0.3	0	0	0	125.8	calm	
9	1	1	7ni	3.0	0	1nw	2s	129.5	light	
10	8ni	3str.cu	2str.cu	4.3	1s	2nw	1s	124.4	mod.	
11	6ci cu	4str.cu	3str.cu	4.3	1	2w	0	156.4	light	
12	3str.cu	8ci cu	6ni	5.7	1w	2w	2	258.5	v. slight	rn bow 4 pm
13	2ci cu	10ni	10ni	7.3	1w	0	1s	158.3	mod.	
14	10ni	10ni	1	7.0	0	0	0	106.2	calm	
15	0	7ni	2str.	3.0	0	1e	1e	149.0	mod.	
16	0	1	0	0.3	0	1n	3ne	264.5	,,	
17	0	0	0	0.0	0	0	2ne	131.3	light	
18	8ci	7ci cu	0	5.0	0	1nw	0	161.5	calm	
19	0	0	0	0.0	1w	1n	1n	130.5	mod.	
20	0	0	0	0.0	0	1n	2ne	299.0	light	
21	0	0	0	0.0	0	1ne	0	193.3	calm	haze in mor.
22	0	1	0	0.3	0	0	0	82.1	,,	
23	0	0	0	0.0	0	0	0	49.9	,,	haze dr. nig.
24	0	1	0	0.7	0	1nw	0	71.2	,,	
25	1	4str.cu	0	1.7	0	0	0	63.4	light	
26	1str	0	0	0.3	0	1nw	1n	192.8	,,	haze in mor.
27	4ci	8str.cu	1str.cu	4.3	1nw	0	0	104.6	calm	
28	1str	3str	0	1.3	0	1w	0	117.8	,,	haze in mor.
29	2str	2str.cu	0	1.3	0	1w	0	36.2	,,	
30	8str	8str.ni	1str.	5.7	0	0	1nw	135.7	,,	
31	9str.ni	3str	2str.	4.7	0	1nw	2ne	299.7	mod.	t l r dy. ni
				2.8				148.4		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	0	0	0	2	1	3	1	23	31
2:30	3	2	1	0	0	0	10	6	9	31
8.30	2	4	1	0	3	1	1	1	18	31
Totals	6	6	2	0	5	2	14	9	50	93

N. B. — Cloud numbers without letters are all cu.
Wind ,, ,, ,, ,, ,, sw.